

Nucleotide Sequence

1	GGACGTCGAG	GCATTACAT	CGCGAACC	AGCCATAGCA	TGAAACAGCG	AGCTGCAGC	CTCACCGACG	AGTCCTCACT	80
81	AAAGGGAAT	CCCGAGCTA	GGGTGGGA	CTCGGCTCA	CACAGTAGT	GCCGGCTATT	GGACTTTTGT	CCAGTGACAG	160
161	CTGAGACAC	AAGGACCAG	GGAGAGGTG	TAGGAGAGAA	GCGCCGCGA	CAGCGATCG	CCAGCACCA	GTCCGCTCC	240
241	AGGCTTTCGG	TTTCTTTGG	TCCATCTTG	GTGCGCCTTC	CCGGCGTCTA	GGGAGCGGA	GGCTGAGTG	GCAGCGGCAG	320
321	GAGAGTCCG	CCGCGACAG	ACGAATCCC	CCACTGGAAA	GGNTTCTGNA	AGAAATGAG	TCAGCCCTCA	GAAATGAGT	400
401	TGACTGCCCTG	CTGGCTTCC	TGTTGACTGG	CCCGGAGCTG	TACTGCAAGA	CCCCTGTGAG	CTTCCCTAGT	CTAAGAGTAG	480
481	GATGCTGCT	GAAGTCATCC	ATCAGGTTGA	AGAGGCACTT	GATACAGATG	AGAAAGGAGT	GCTGCTCTTT	TTGTGCGGGG	560
561	ATGTTGCTAT	AGNTGTGGT	CCACCTAATG	TCAGGGACCT	TCTGENTAT	TTACGGGGA	GAGGTAGCT	GTCTGTGGG	640
641	GACTTGGCTG	AACTGCTCTA	CAGAGTGAGG	CGATTGACC	TGCTCAACG	TATCTTGAG	ATGGACAGAA	AAAGCTGTGA	720
721	GACCCACCTG	CTCAGGAACC	CTCACCTTGT	TTCCGACTAT	AGAGTGTCTA	TGGCAGAGT	TGGTGAAGT	TTGGNTAAT	800
801	CTGATGTGTC	CTCATTAAAT	TTCTCATGA	AGGNTTACNT	GGCCGAGGC	AAAGTAAGCA	AGGAGNAGAG	TTTCTTGGAC	880
881	CTTGTGGTTG	AGTTGGAGAA	ACTAATTTG	GTGCCCCAG	ATCAACTGA	TTTATTAGAA	AAATGCCTAA	AGMACATCCA	960
961	CAGANTAGAC	CTGAGACMA	AAATCCAGNA	GTACAAAGCAG	TCTGTTCNAG	GAGCAGGGAC	AAATTAACAG	AAATTAACAG	1040
1041	AAGCAGCAAT	CCAAAGAGT	CTCAAGGATC	CTTCAANTAA	CTTCAGGCTC	CATTAATGGA	GAAGTAAGA	ACAAAGACTT	1120
1121	AGGNAACAG	TTGGCGCTCA	ACAAAGACCA	GTGAAGAAAT	CCATTACAG	ATCAGAAAGT	TTTTCCTC	AGAGCATACC	1200
1201	TGAAAGAGAG	TACNAGNTGA	AGAGCAAGCC	CCTAAGGAATC	TGCTGTGATA	TCGNTTGCAT	TGGCAATGAG	ACAGAGCTTC	1280
1281	TTGAGACAC	CTTCACTTCC	CTGGGCTATG	AAATCCAGNA	ATTTCTGCTC	CTCAGTATGC	ATGGTATATC	CCAGNTTCTT	1360
1361	GGCCAAATTG	CCTGATGCTC	CGAGCACCGA	GACTACGACA	GCCTTGTGTG	TGTCCTGGTG	AGCCGAGGAG	GCTCCCAAG	1440
1441	TGTGTATGGT	GTGGATCAGA	CTCACTCAGG	GCCTCCCTTG	CATCACTNCA	GGAGGATGTT	CATGGGAGAT	TCTATGCCCTT	1520
1521	ATCTAGCAGG	GAAGCCAAAG	ATGTTTCTTA	TTCAAGAACTA	TGTGGTGTCA	GAGGGCCAGC	TGGAGAACAG	CAGCCTCTTG	1600
1601	GAGGTGGATG	GGCCAGCGNT	GAAGAAATGTG	GAATTCNAGG	CTCAGAAAGC	AGGGCTGTGC	ACAGTTCACC	GAGAAAGCTGA	1680
1681	CTTCTTCTGG	AGCCTGTGTA	CTGGGACAT	GTCCCTGCTG	GAGCAGTCTC	ACAGCTCACC	GTCCCTGTAC	CTGCAAGTGC	1760
1761	TCTCCCAAG	ACTGAGACMA	GAAGAAAC	GCCCACTCCT	GGATCTTAC	ATTGAACTCA	ATGGCTACAT	GTATGATGG	1840
1841	AACAGCAGAG	TTTCTGCCMA	GGAGAAATAT	TATGTCTGGC	TGCAGCACAC	CTGAGAAAG	AACTTATACC	TCTCCTACAC	1920
1921	AAAGAAACC	AAAGGCTGG	GCCTAGTGGC	TCACACCTGT	AAATCCAGCA	CTTTGGGAGG	CCAAAGGAGG	CAGATCACTT	2000
2001	CAGGTACAGGA	GTTCGAGACC	AGCCTGGCCA	ACATGGTAAA	CGCTGTCCCT	AGTAANAATG	CAAAATATAG	CTGGGTGTGG	2080
2081	GTGTGGGTAC	CTGTGTTCCC	AGTTACTTGG	GAGGCTGAGG	TGGGAGGATC	TTTGTAAACC	AGGAGTTCAG	GGTCNTAGCA	2160
2161	TGCTGTGAT	GTGCTTACGA	ATAGCCACTG	CATACCAACC	TGGGCATAT	AGCAAGTACC	CATCTCTTAA	AAAAAANA	2240
2241	AAA								2243

FIG. 1A

Deduced Amino Acid Sequence

MSAEVHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDILRERGKLSVGDLAELLYRVRRFDLLKRILKMDRKAVE
 THLRNPHLVSDYRVLMAEIGEDLDKSDVSSLIIFLMKDYMGKGKISKEKSFLLVVELEKLNLVAPDQDLLEKCLKNIIH
 RIDLKTQIKYKQSVQAGTSYRNVLQAAIQKSLKDPNNFRLHNGRSKEQRLKEQLGAQQEPVKKSIQSEAFLPQSIP
 EERYKMSKPLGICLIIDCIGNETELLRTFTSLGYEVQKFLHLSMHGISQILGQFACMPEHRDYDSFVCLVSRGGSQS
 VYGVDDQTHSGLPLHHIRRMFGDSCPYLAGPKMFFIQNYVVSSEGQLENSLLEVDGPAMKNVEFKAQKRGLCTVHREAD
 FFWSLCTADMSLLEQSHSPSLYLQCLSQKLQRERKRLDLDHIELNGYMYDWSRVSAKEYYVWLQHTLRKKLILSYT

2.

FIG. 1B

Nucleotide Sequence

1	GGACGTCGAG	GCATTACAA	CGCGAAACCA	AGCCATAGCA	TGNAACAGCG	AGCTTGCAGC	CTCACCGGACG	AGTCTCAACT	80
81	AAAAGGACT	CCCGAGCTA	GGGTGGGGA	CTCGGCTCA	CACAGTGAGT	GCCGGCTATT	GGACTTTTGT	CCAGTGACAG	160
161	CTGAGACAC	AAGGACCA	GGAGGAGTG	TAGGAGAGAA	GCGCCGCGNA	CAGCGATCGC	CCAGCACCA	GTCGGCTTCC	240
241	AGGCTTTGG	TTTCTTTGG	TCCNTCTTG	GTCCGCCCTTC	CAGGCTGCTA	GGGAGCGAA	GGCTGAGGTG	GCAGCGGCAG	320
321	GAGAGTCCG	CCCGACAGG	ACGAACTCC	CCACTGGAAA	GGATCTCGNA	AGAAATGAAG	TACAGCCCTCA	GAANTGAAGT	400
401	TGACTGCCG	CTGGCTTCC	TGTTGACTG	CCCGGAGCTG	TACTGCAAGA	CCCTTGTGAG	CTTCCCCTAGT	CTAAGAGTAG	480
481	GATGCTGCT	GAAATCATCC	ATCAGGTTGA	AGAAACACTT	GATACAGATG	AGAAAGGAGAT	GCTGCTCTT	TTGTGCCGGG	560
561	ATGTTGCTAT	AGATGTGGT	CCACCTAATG	TCAGGGACCT	TCTGGATATT	TTACGGGAAA	GAGGTAAGCT	GTCTGTCGGG	640
641	GACTTGGCTG	AACGTGCTTA	CAGAGTGAGG	CGATTTGACC	TGCTCAACAG	TATCTTGAAG	ATGGACAGAA	AAGCTGTGGA	720
721	GACCCACCTG	CTCAGGAAAC	CTCAGCTTGT	TTCCGACTAT	AGAGTGTCTG	TGGCAGAGAT	TGGTGAGGAT	TTGGATAAAT	800
801	CTGATGTGTC	CTCATTTAAT	TTCTCTCATG	AGGATTAACAT	GGCCCGAGGC	AAGNTAAGCA	AGGAGAAGAG	TTTCTTGGAC	880
881	CTTGTGGTGG	AGTTGGAGAA	ACTAATTTG	GTTGCCCCAG	ATCAACTGGA	TTTATTAAGAA	AAATGCCCTMA	AGAAATCCA	960
961	CAGAAATAG	CTGAAGACAA	AAATCCAGAA	GTACAAAGCAG	TCTGTTCAG	GAGCAGGGAC	AAGTTACAGG	AATGTTCTCC	1040
1041	AGCAGCAAT	CCAAAGAGT	CTCAAGGATC	CTTCAATTA	CTTCAGGATG	ATAACACCCCT	ATGCCCATTG	TCCGTGATCTG	1120
1121	AAATTCCTG	GAAATTTCTC	CATGAGATTA	ACNTGGAACT	GCCTCTACTT	AAATCATCTG	AATGATTA	TGGTTTCAAT	1200
1201	TTCTAAATGT	GTATATAATGT	GTTAAGCCCT	TTCTTTGTC	TGTATGTTTA	GATGCTTTCC	AATCTTTTGT	TACTACTAAT	1280
1281	AATGCTATAA	AATAAATATC	CTTGACTTTC	TTTAAATAA	AAAAA	AAAAA	AAAAA	AAAAA	1360
1361	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	1373

Deduced Amino Acid Sequence

MSAEVHQVEEALDTDEKEMLLFLCRDVAIDVPPNVRDLDDLRLRERGLSVGDLAEILYRVRFDLLKRLKMDRKAVE
 THLLRNPHLVSDYRVLMAEIGEDLDKSDVSSILFLMKDYMRGKISKESFLDLVVELEKINLVAPDQDLLEKCLKNIII
 RIDLTKIQKYKQSVQAGTSYRNVLQAAIQSLKDPNNFRMTTPYAHCPDLKILNCMSMZ

FIG. 2

SECRET

1st DED module

	MAQSPVSAEVIHQVEICLD	DEKEMMLFLCR	OVITE	NLAAPNVR	DLDS	LSERQQLSFAT	86
mCASHa	MAEVIHQVEEALDTDEKEMLLFLCRDVA	DVVP	PNVR	DLDP	LRERQKLSVGD	LAELLYR	81
hCASHp	MSAEVIHQVEEALDTDEKEMLLFLCRDVA	DVVP	PNVR	DLDP	LRERQKLSVGD	LAELLYR	81
hCASHa	MDFSNLYDIGEQLDSEDLASLKELSLDYLPORKQEP	KDALMLFORLOEKRM	LEESNISF	LKEL	LF	68	
CASP-8							
CASP-10	MKSQGHWYSSSDKNCKVSR	REKLILIDSNLG	VODVIE	NLKEFCIGLYPNKKLEKSSAS	OVFEHL	LAEDLSSEEDPFF	84

2nd DED module

[illegible]

FIG. 3A

09380546-1199

mcASHa
mcASHp
mcASHa
CASP-8
CASP-10
CASP-1

...QGVLSFPAPQAVODNPAMPTSSGSEGNVVKLCSEEAQ 142

mcASHa
mcASHa
CASP-8
CASP-10
CASP-3
CASP-1

...IPRRTGAEVDITGMTMLLQNLGYSVDVKKNLIT.A 207

FIG. 3B

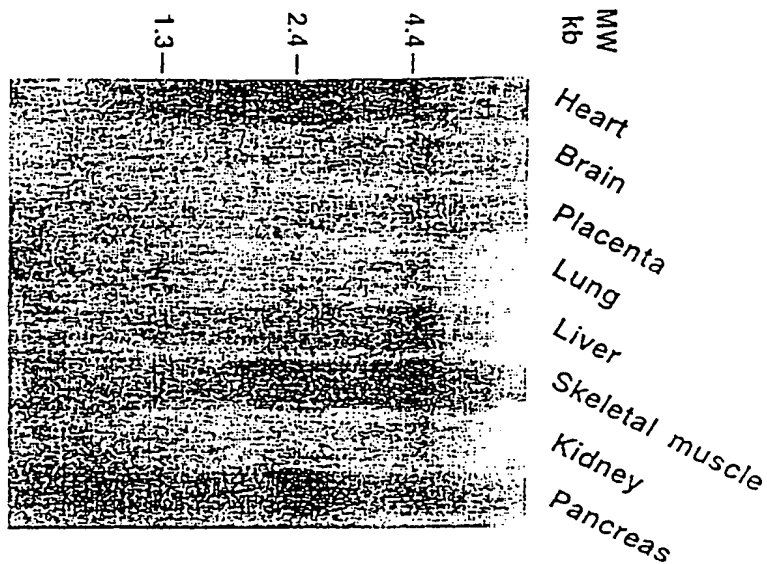
6627-94508660

mCASP-1a DITQIVRRYASMAQ-HQDYDSFAVCVLVSLGSGSQSMGGRD.....QVHSGFSLQHVKNMFTGDTCPSLRGKPKLFFIQNYESLGS 370
 mCASP-1a GISQILGQFACMPE-HRDYDSFVCLVSLGSGSQSVYGVQD.....QTHSGPLLHHIRRMFMGDSCPVLGKPKMFFIQNYVVSSEG 385
 mCASP-8 EQIYEIWKIYQLMD-HSNMDCIFICCLSHGDKGIIYGTID.....GQEG..PIYELTSOFTGLKCPSLAGKPKVFFIQACQGN- 364
 mCASP-10 EMEVLQKQKCNPA-HADGDCFFVEFCILTHGRFGAVSSID.....EALI..PIREIMSHFIALQCPRLAEKPKLFFIQACQGEE- 362
 mCASP-3 EEIVELMRDVSKEH-HSKRSSFEVCLVSLSHGEEQIIIFGTN.....G.PV..DLKKIITNFERGDRCRSLTGKPKLFFIQACRGTE- 168
 mCASP-1 SDMTTELEAFARPEH-KTSDSTFLVFMVSHGIREGICGKKHSEQVPD..IL..QLNALIFNMLNTKNCPSLKDKPKVILIQACRGDS- 288
 mCASP-1a QLEDSS-LEVID.....GPSIKNVDSKPLQPRHCTTHPEADLFWSLCTADVSHLEKPSSSSSSVYLQKLSQQLKQGRRRP 442
 mCASP-1a QLENSLLEVID.....GPAMKNVEFKAQKRGQLCTVHREADFFFWSLCTADMSLEQSHSPSLVYLQKLSQQLRQERKRP 438
 mCASP-8 -YQKGIPIVETID.....SEEQPYLEMDLSSPQTRYIPOEADFFLLGMATVNNCVSYRNPAEGTWYIQSLCQSLRERCPR- 435
 mCASP-10 -IQPSVSIETID.....ALNPEQAPTSLODS...IPAEADFFLLGLATVPGYVSFRHVEEGSWYIQSLCNHLKQLVPR- 429
 mCASP-3 ...LDCGIEITID.....SG...VDDDMACHK...IPVEADFFLYAYSITAPGYYSWRNSKDGSWFIQSLCAMLKQYADK- 227
 mCASP-1 ...PGVVWFKIDSVGVSGNLSLPTTE...EFEDQAIKK...AHIEKDFIAFCSTPDNVSWRHPMTMGSVFIQSLCAHMQEYACS- 381
 mCASP-1a LVDLHVEL-MDKVYAWNDSGVSSK.....EKYSLSLQ-HTLRKKLLI LAPT* 486
 mCASP-1a LLDLHIELNGY-MYDWNRSRVSAK.....EKYYVWLQ-HTLRKKLLI LSYT* 481
 mCASP-8 GDDILTLITELV-NYEVSNKDDKK.....NMGKQMPQPT-FILRRKKLVFPSPD* 479
 mCASP-10 HEDILSLITAV-NDDVSRRVDKQ.....GTTKQMPQPA-FILRRKKLVFPVPLDALS! 480
 mCASP-3 -LEFMHILITRV-NRKVATEFESFSDATFHAKKQIIPGIV-SMLTKELIYFYH* 277
 mCASP-1 -CDIVEEILFRKKV-RFSFEQ-PD.....GRAQMPITERTVITLTRCFYLFPGH* 404

FIG. 3C

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A



B

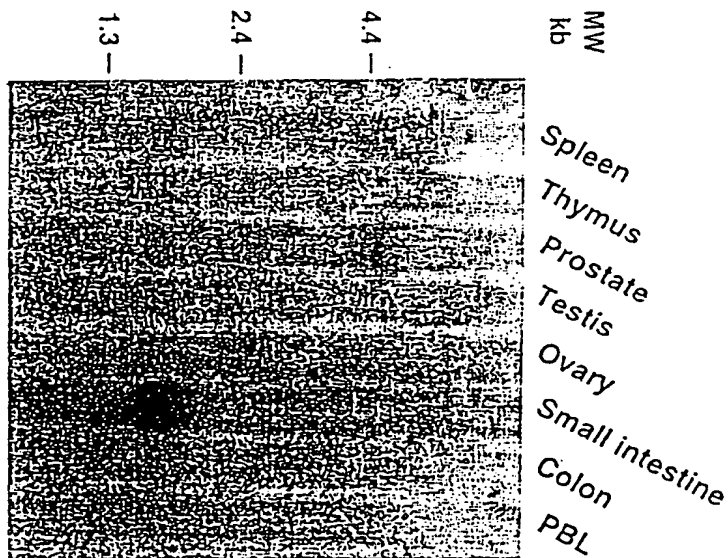


FIG. 4

09380546-112999

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09380546-11999

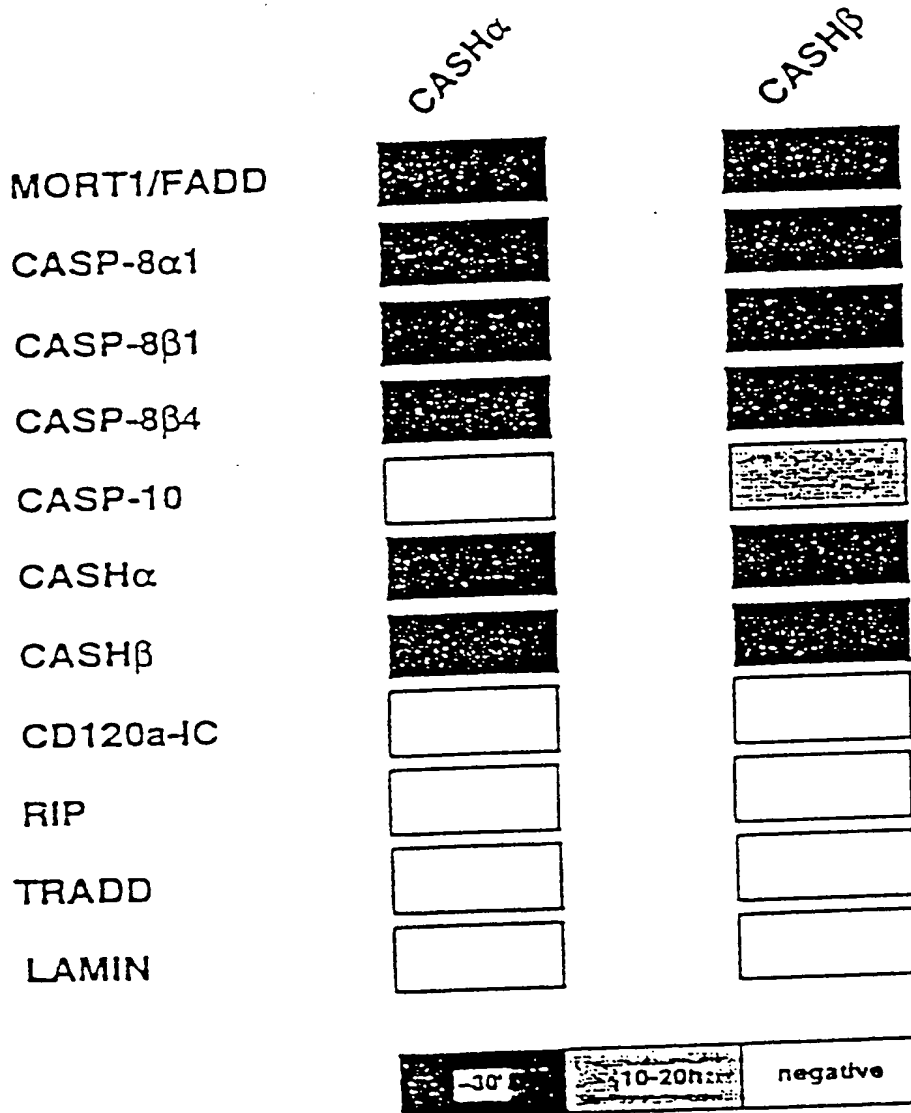


FIG. 5

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HeLa-Fas cells

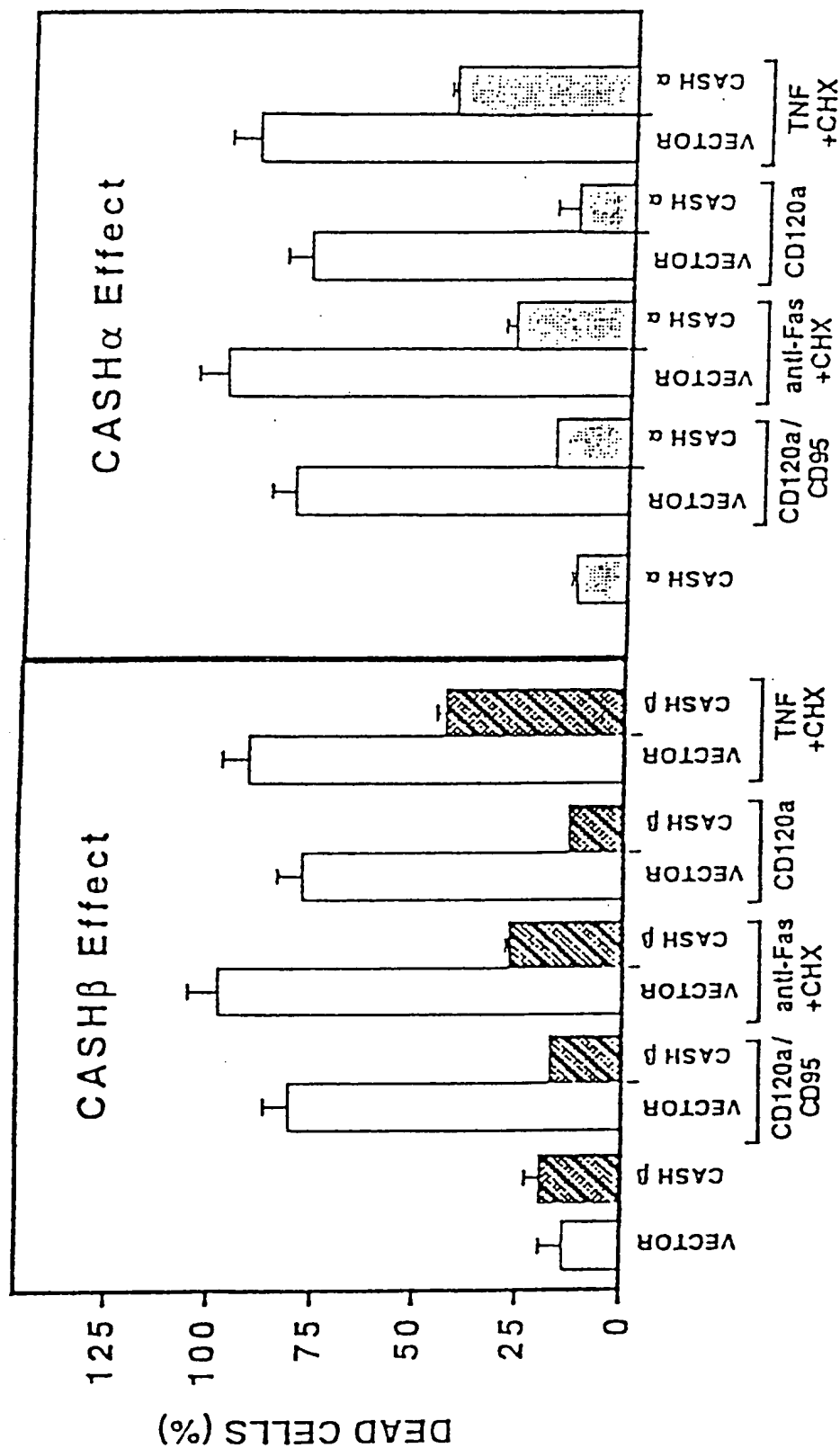


FIG. 6A

293-T cells

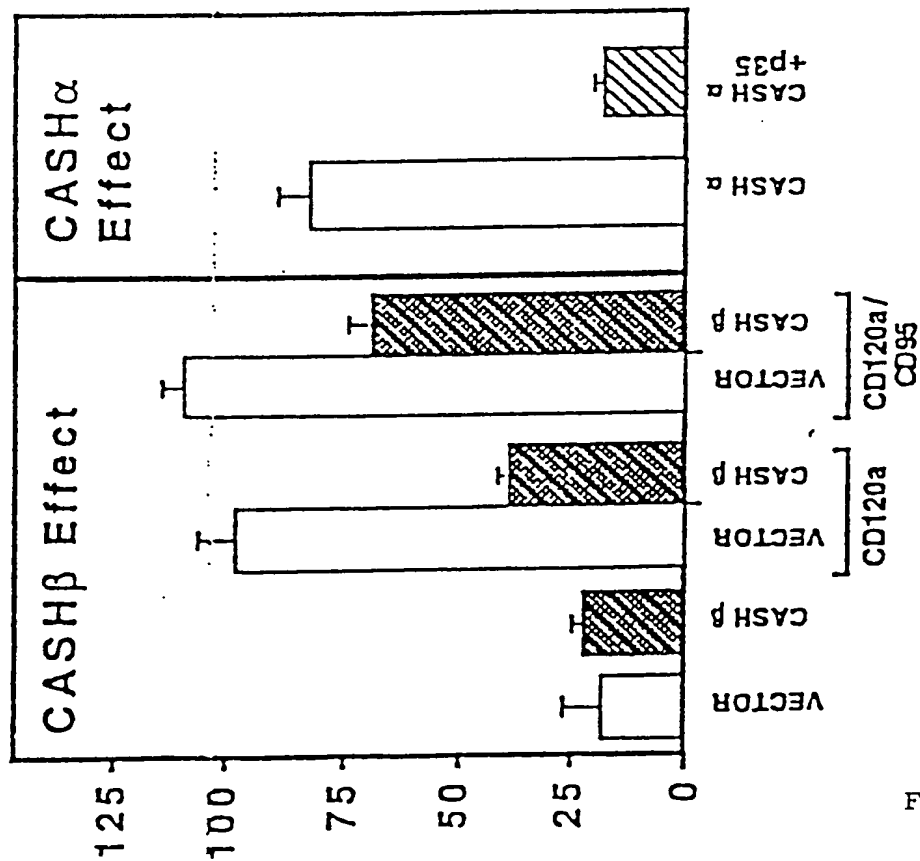


FIG. 6B

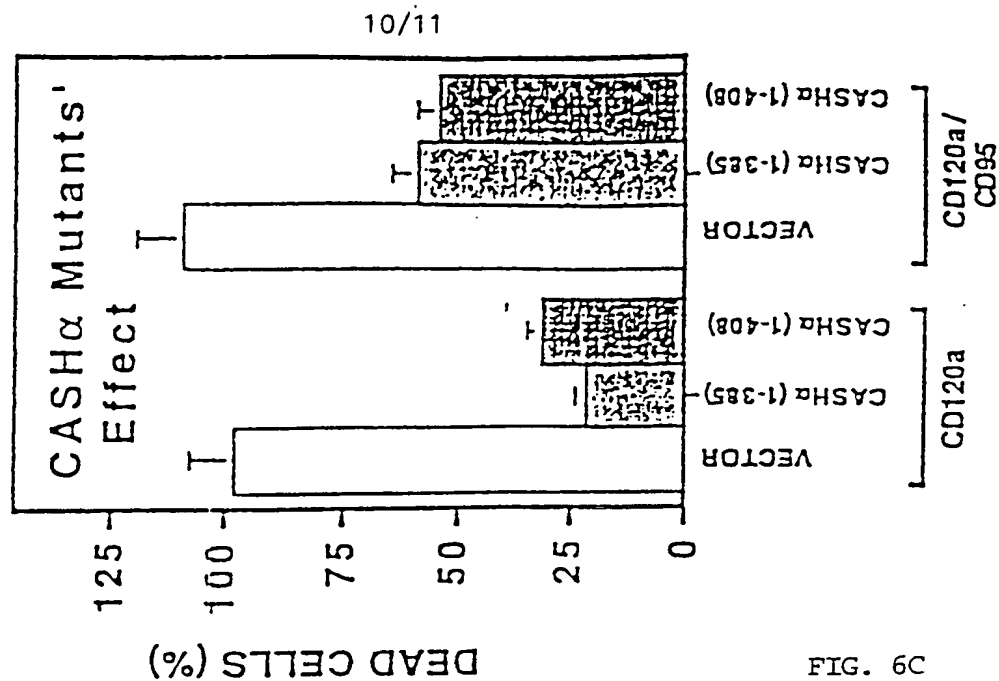


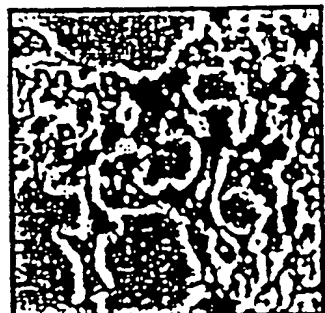
FIG. 6C

09380546

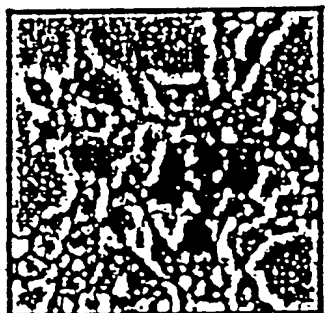
293-T cells



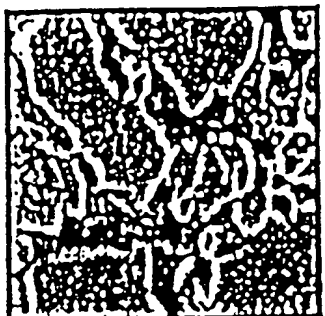
Vector



CASH α



CD120 a



CD120 a + CASH α (1-4)

FIG. 6D